

Notice of Allowability	Application No.	Applicant(s)	
	10/027,847	FUJIMORI, JUNICHI	
	Examiner	Art Unit	
	AHMED ELALLAM	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed on 11/07/2006.
2. ☒ The allowed claim(s) is/are 1-14, 19 and 20 respectively renumbered 1-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

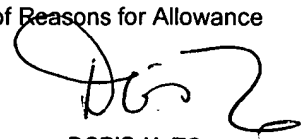
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none">1. <input type="checkbox"/> Notice of References Cited (PTO-892)2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none">5. <input type="checkbox"/> Notice of Informal Patent Application6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____7. <input type="checkbox"/> Examiner's Amendment/Comment8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance9. <input type="checkbox"/> Other _____ |
|--|--|



DORIS H. TO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior art of records fails to teach or suggest the following:

A method/system for managing transmission and reception of data over a network, the network comprising at least a transmission-side apparatus having a plurality of transmission-side functional modules which individually produce and output a plurality of control data sets, and a reception-side apparatus having a plurality of reception-side functional modules which realize independent functions by use of input control data sets, wherein a control data set output from a transmission-side functional module and input to a reception-side functional module, the method/system comprising (inter alias): using identification data of one transmission-side functional module , and second identification data of one reception-side functional module stored at the reception side apparatus, the reception-side functional module receiving a control data set output from the one transmission-side functional module and adding a third identification data representing the one transmission-side functional module to the control data set output from one transmission-side functional module, and applying at the reception-side apparatus a relationship between the first identification data and the third identification data to the second identification data, to thereby specify the one reception-side functional module to which the control data set is to be input, as indicated in independent claims 1 and 10.

A method for managing transmission and reception of data over a network, network including at least a transmission-side apparatus having a plurality of transmission-side functional modules which individually produce and output a plurality of control data sets, and a reception-side apparatus having a plurality of reception-side functional modules which realize independent functions by use of input control data sets, respectively, wherein a control data set output from a transmission-side functional module and transmitted from the transmission-side apparatus is received by the reception-side apparatus and is input to a reception-side functional module corresponding to the transmission-side functional module; wherein correspondence between at least two transmission-side functional modules among the plurality of transmission-side functional modules and at least two reception-side functional modules among the plurality of reception-side functional modules is established, the method comprising (inter alias) : storing at the reception-side apparatus first identification data which represent one transmission-side functional module among the at least two transmission-side functional modules, second identification data which represent one reception-side functional module among the at least two reception-side functional modules, the one reception-side functional module receiving a control data set output from the one transmission-side functional module, and third identification data for specifying the at least two transmission-side functional modules, while using a relationship with the one transmission-side functional module represented by the first identification data; adding at the transmission-side apparatus fourth identification data to a the control data set output from the one transmission-side functional module, the

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fourth identification data representing the one transmission-side functional module; and transmitting the control data set to which the fourth identification data is added from the transmission-side apparatus to the network; receiving at the reception-side apparatus the control data set if the fourth identification data represent one of transmission-side functional modules specified by the first and third identification data, and applying at the reception-side apparatus a relationship between the first identification data and the fourth identification data to the second identification data, to thereby specify the one reception-side functional module to which the control data set is to be input, as indicated in independent claim 5.

A system for managing transmission and reception of data over a network, the network comprising at least a transmission-side apparatus having a plurality of transmission-side functional modules which individually produce and output a plurality of control data sets, and a reception-side apparatus having a plurality of reception-side functional modules which realize independent functions by use of input control data sets, wherein a control data set output from a transmission-side functional module and input to a reception-side functional module, the system comprising (inter alias):

transmission controller for adding first identification data to a the control data set output from one transmission-side functional module for transmitting the control data set to which the first identification data is added to the network, the first identification data representing the one transmission-side functional module, a management information storage device at the reception-side apparatus for storing second identification data which represent one transmission-side functional module and third identification data

which represent one reception-side functional module, the one reception-side functional module receiving a control data set output from the one transmission-side functional module, and fourth identification data for specifying at least two transmission-side functional modules, while using a relationship with the one transmission-side functional module represented by the second identification data, and a reception controller for determining to receive the control data set if the first identification data represent one of transmission-side functional modules specified by the second and fourth identification data, and for using the first identification data, the second identification data and third identification data so as to apply a relationship between the first identification data and the second identification data to the third identification data, to thereby specify the one reception-side functional module to which the control data set is to be input, as indicated in independent claim 13.

A reception-side apparatus having a plurality of reception-side functional module that realize independent functions by use of control data sets respectively, the control data sets being transmitted from a transmission-side apparatus having a plurality of transmission-side functional modules that individually produce and output the control data sets, wherein correspondence between at least two transmission-side functional modules among the plurality of transmission-side functional modules and at least two reception-side functional modules among the plurality of reception-side functional module is established, the reception-side apparatus comprising: a management information storage device for storing first identification data that represent one transmission-side functional module among the at least two transmission-side functional

modules, and second identification data that represent one reception-side functional module among the at least two reception-side functional modules, the one reception-side functional module receiving a control data set output from the one transmission-side functional module; a reception portion for receiving a control data set to which third control identification data is added by the transmission-side apparatus, the third identification data representing the one transmission-side functional module; and a reception controller for applying a relationship between the first identification data and the third identification data to the second identification data, to thereby specify the one reception-side functional module to which the control data set is to be input, as indicated in independent claim 19.

A reception-side apparatus having a plurality of reception-side functional module that realize independent functions by use of control data sets respectively, the control data sets being transmitted from a transmission-side apparatus having a plurality of transmission-side functional modules that individually produce and output the control data sets, wherein correspondence between at least two transmission-side functional modules among the plurality of transmission-side functional modules and at least two reception-side functional modules among the plurality of reception-side function module is established, and reception-side apparatus comprising: a management information storage device for storing first identification data that represent one transmission-side functional module among the at least two transmission side functional modules, second identification data that represent one reception-side functional module among the at least two reception-side functional modules, the one reception-side functional module

receiving a control data set output from the one transmission-side functional module, and third identification data for specifying the at least two transmission-side functional modules, while using a relationship with the one transmission-side functional module represented by the first identification data; a reception portion for receiving a control data set to which fourth control identification data is added by the transmission-side apparatus, the fourth identification data representing the one transmission-side functional module; and a reception controller for determining to receive the control data set if the fourth identification data represent one of transmission-side functional modules specified by the first and the third identification data, and for applying a relationship between the first identification data and the fourth identification data to the second identification data, to thereby specify the one reception-side functional module to which the control data set is to be input, as indicated in independent claim 20.

Conclusion

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AHMED ELALLAM whose telephone number is (571) 272-3097. The examiner can normally be reached on 9-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, To Doris can be reached on (571) 272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.E
Examiner
Art Unit 2616
1/8/07